

**T09D03 – (9.4) Voltaic Cells Notes**

Name.....

1. 9.4.1 Explain how a redox reaction is used to produce electricity in a voltaic cell. (3)
  - a. For those of you not in physics, discuss a brief intro to charges:
    - 1.
    - 2.
  - b. Define Amperes and what it's a measure of:
    - i. A large current could be produced from (two scenarios):
      - 1.
      - 2.
  - c. Define potential difference and what it means for the activity of a cell:
2. 9.4.2 State that oxidation occurs at the negative electrode (anode) and reduction occurs at the positive electrode (cathode). (1)
  - a. Draw and Diagram a Voltaic (Daniell) Cell:
    - b. What purpose does the salt bridge serve?
    - c. A voltaic cell will continue until:
    - d. How can we remember which electrode is the Cathode and which is the Anode?
    - e. What does the voltage of a cell depend on?
    - f. Provide the shorthand notation for the Daniell cell and describe how to name them.